FUJITSU

PRIMERGY TX120 S3

System configurator and order-information guide

July 2012

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  Software Configurator EM64T
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PRIMERGY Server

Instructions

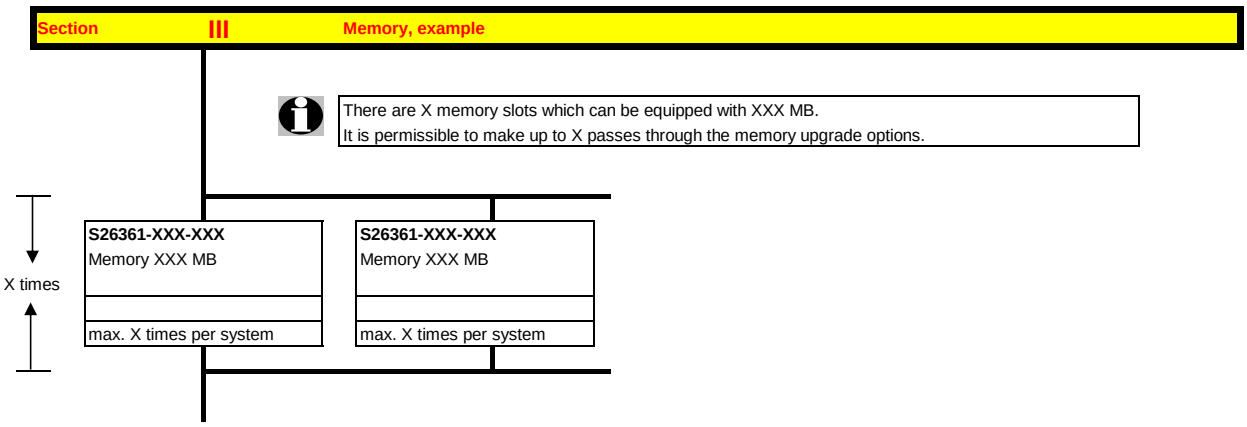
This document contains basic product and configuration information that will enable you to configure your system via PC-/ System-Architect.

Only these tools will ensure a fast and proper configuration of your PRIMERGY server or your complete PRIMERGY Rack system.

You can configure your individual PRIMERGY server in order to adjust your specific requirements.

The System configurator is divided into several chapters that are identical to the current price list and PC-/ System-Architect

Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.


Section III Memory, example
There are X memory slots which can be equipped with XXX MB.
It is permissible to make up to X passes through the memory upgrade options.
X times
S26361-XXX-XXX
Memory XXX MB
max. X times per system
S26361-XXX-XXX
Memory XXX MB
max. X times per system

In one chapter you can only select as many components (here 4x) as the arrow indicates.

Please note that there are information symbols which indicate necessary information.

For further information see:

http://ts.fujitsu.com/products/standard_servers/inc (internet)

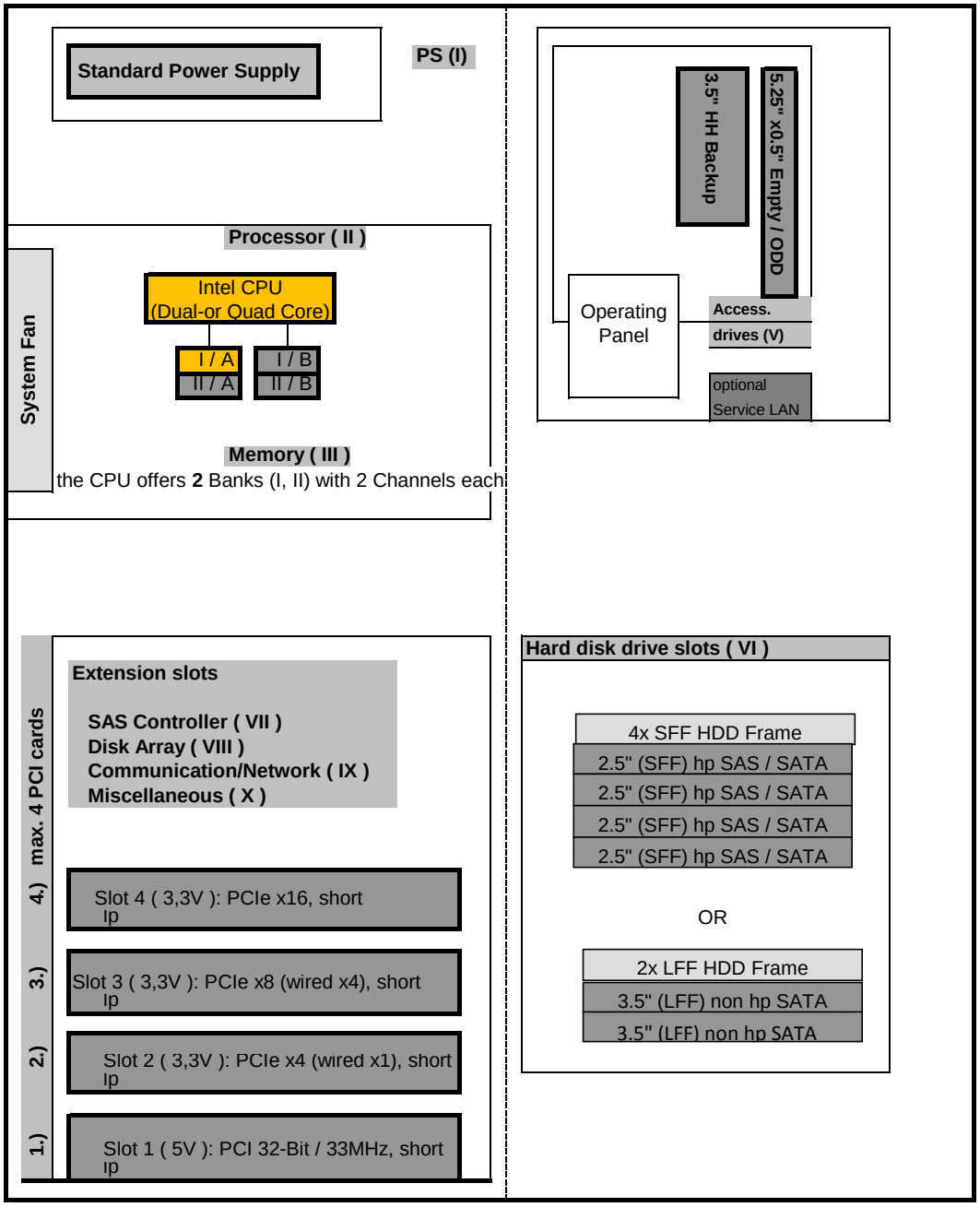
https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx (extranet)

Prices and availability see price list and PC-/ System-Architect
Subject to change and errors excepted

Configuration diagram PRIMERGY TX120 S3

System unit (I)

SIDE VIEW **FRONT VIEW**

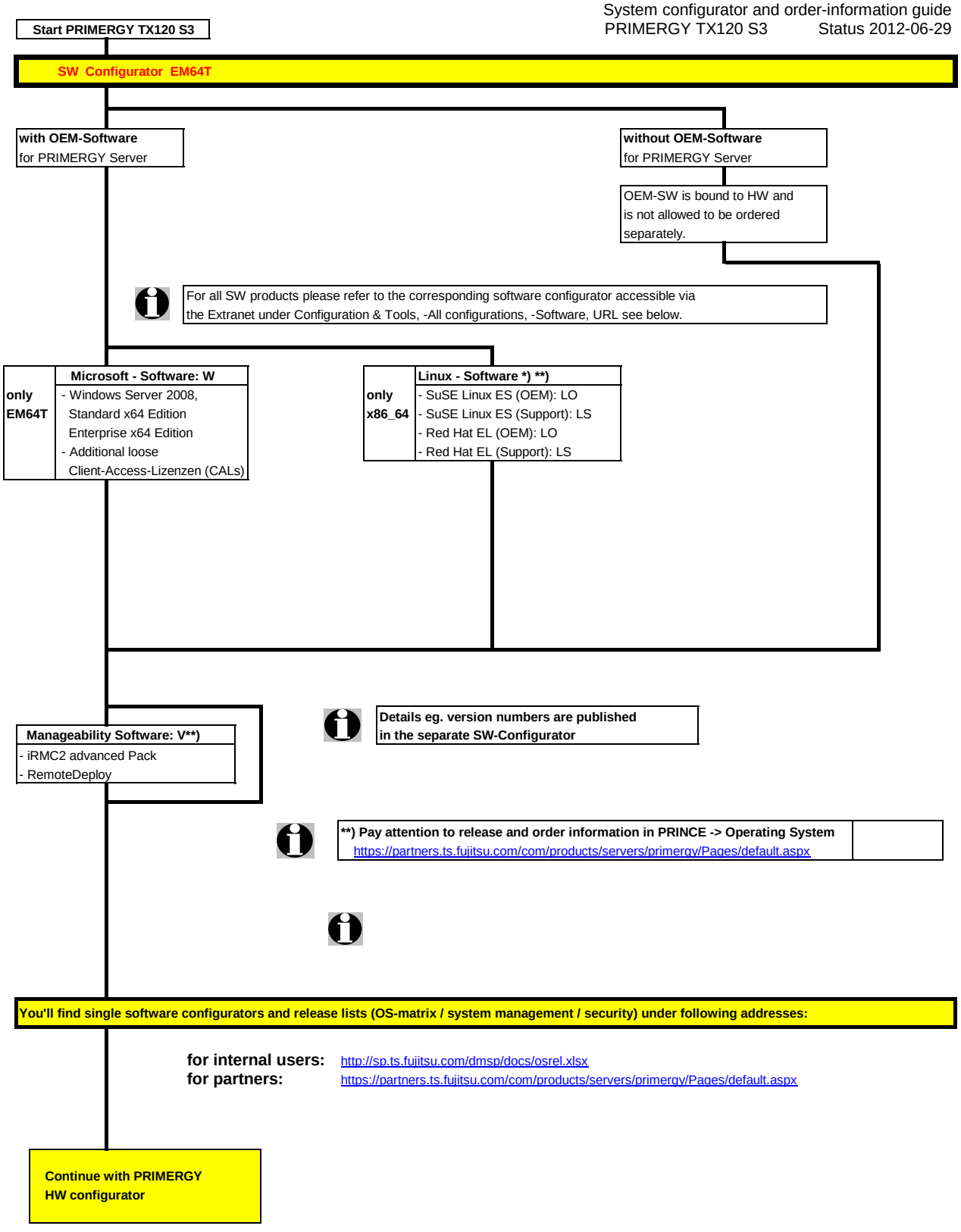

Standard Power Supply
PS (I)
3.5" HH Backup
5.25" x0.5" Empty / ODD
Processor (II)
Intel CPU
(Dual-or Quad Core)
I / A
I / B
II / A
II / B
System Fan
Operating Panel
Access. drives (V)
optional Service LAN
Memory (III)
the CPU offers 2 Banks (I, II) with 2 Channels each
Extension slots
SAS Controller (VII)
Disk Array (VIII)
Communication/Network (IX)
Miscellaneous (X)
Hard disk drive slots (VI)
4x SFF HDD Frame
2.5" (SFF) hp SAS / SATA
2.5" (SFF) hp SAS / SATA
2.5" (SFF) hp SAS / SATA
2.5" (SFF) hp SAS / SATA
OR
2x LFF HDD Frame
3.5" (LFF) non hp SATA
3.5" (LFF) non hp SATA
4.) max. 4 PCI cards
Slot 4 (3,3V): PCIe x16, short lp
3.)
Slot 3 (3,3V): PCIe x8 (wired x4), short lp
2.)
Slot 2 (3,3V): PCIe x4 (wired x1), short lp
1.)
Slot 1 (5V): PCI 32-Bit / 33MHz, short lp

Key:

Included in basic unit

Option

CPU and one memory (first memory) has to be selected for an orderable basic unit.


Start PRIMERGY TX120 S3
SW Configurator EM64T
with OEM-Software
for PRIMERGY Server
without OEM-Software
for PRIMERGY Server
OEM-SW is bound to HW and is not allowed to be ordered separately.
For all SW products please refer to the corresponding software configurator accessible via the Extranet under Configuration & Tools, -All configurations, -Software, URL see below.
only EM64T
Microsoft - Software: W
- Windows Server 2008, Standard x64 Edition Enterprise x64 Edition
- Additional loose Client-Access-Lizenzen (CALs)
only x86_64
Linux - Software *) **)
- SuSE Linux ES (OEM): LO
- SuSE Linux ES (Support): LS
- Red Hat EL (OEM): LO
- Red Hat EL (Support): LS
Manageability Software: V**)
- iRMC2 advanced Pack
- RemoteDeploy
Details eg. version numbers are published in the separate SW-Configurator
**) Pay attention to release and order information in PRINCE -> Operating System
https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx
You'll find single software configurators and release lists (OS-matrix / system management / security) under following addresses:
for internal users: http://sp.ts.fujitsu.com/dmsp/docs/osrel.xlsx
for partners: https://partners.ts.fujitsu.com/com/products/servers/primergy/Pages/default.aspx
Continue with PRIMERGY HW configurator

Start PRIMERGY TX120 S3

Section | Basic unit

System unit Floorstand including:

*** Two lockable front covers**
Door #1 for accessible drive bays
Door #2 for hot plug HDD bays (Type 1 base unit only)
Both doors may be locked or door #1 may be left open while door #2 is still locked
*** HD type depending on base unit:**
Type 1: 4x hot plug SFF (2.5") SAS or SATA HDD (SFF base units only)
Type 2: 2x non hot plug LFF (3.5") SATA HDD (LFF base units only)
*** 1 power supply (Standard PSU with 250W) with 0-Watt Option**
*** Two System fans (No Hot-plug, No redundancy)**
*** 1 bay 5.25" for accessible drives (slim line)**
*** 1 bay 3.5" (HH) for accessible drives (DDS or RDX)**
Systemboard D3049 with:
*** heat pipe for the CPU**
*** Chipset Intel® C202 (codenamed Bromolow Cougar Point Essential)**
*** 4 PCI slots: 1 x PCIe x16 Gen2 (lp)**
1 x PCIe x4 (x8 connected) Gen2 (lp)
1 x PCIe x1 (x4 connected) Gen2 (lp)
1 x 32Bit / PCI 33MHz-5V, (lp)
*** 4 memory slots for max. 32GB with 4x 8GB unbuffered DDR3 RAM**
- Memory is divided into 4 DIMMs (2 channels with 2 slots per channel)
- First Memory (one module) has to be selected for an orderable basic unit
- Memory upgrade is possible module wise
- SDDC (Chipkill) is not supported
*** SATA-Controller on board (supporting RAID 0/1)**
*** 2x1 Gbit Ethernet LAN on board (Intel Hartwell and Intel Lewisville) with ToE;**
and iSCSI boot integrated in System BIOS as selectable option
*** iRMC S3 (integrated Remote Management Controller) on-board server management controller**
with dedicated 10/100/1000 Service LAN-port and
integrated graphics controller (max. Resolution: 1600 x 1200 at 16 bpp)

Interfaces:
* 1x RS-232-C (9-pin) (usable for BMC or OS or shared)
* 1x VGA (15 pin)
* 10x USB **2.0** (UHCI) with **480MBit/s** (6x external at the rear, 2x external at the frontside,
2x internal USB Interfaces for backup devices, uSSD and internal memory stick, no USB wakeup)
* 3x LAN RJ45 including 1x maintanence-LAN RJ45 switchable (iRMC)

***internal Cables:**
1. SATA cable for BD/DVD.
2. HDD Backplane cable (Type 1 base unit only) or SATA cable for up to 2 HDDs (Type 2 base unit only)

*** ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates**
*** Documentation engl. (multilingual on CD)**

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Floorstand-version	
Basic unit without CPU and Memory	
- One CPU has to be configured additionally for a base configuration	
- One memory kit has to be configured for a base configuration	
SFF (2.5") Base Unit (Type 1)	S26361-K1380-V101
LFF (3.5") Base Unit (Type 2)	S26361-K1380-V201

S26361-F3552-E1
TPM Module
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

Be aware of import restrictions!
Only 1 TPM per system.
Loose delivery for later integration possible for customer.

S26361-F3552-L1
TPM Module add-on kit
for later integration (loose delivery)
Trusted Platform Module on Motherboard
Use according to import restrictions
max. 1x per system

Section II Processor

Note: The CPU is not included in the base unit and has to be configured separately.**

** see note above

Dual-Core CPU`s		
- 1x 64-bit Intel Celeron (2MB SLC), Pentium (3MB SLC) or Core-i3 (3MB TLC) occupies socket for one CPU		
Celeron		
Celeron G530 2.40GHz 2MB 2C/2T 1066MHz (65W)	**S26361-F3579-E253**	on special release
Celeron G530T 2.00GHz 2MB 2C/2T 1066MHz (35W)	**S26361-F3579-E252**	
Pentium		
Pentium G620 2.60GHz 3MB 2C/2T 1066MHz (65W)	**S26361-F3579-E262**	
Core i3		
Core i3-2100 3.10GHz 3MB 2C/4T 1333MHz (65W)	**S26361-F3579-E210**	
Core i3-2120 3.30GHz 3MB 2C/4T 1333MHz (65W)	**S26361-F3579-E212**	on special release
Quad-Core XEON CPU`s		
- 1x 64-bit Intel Xeon UP (8MB shared TLC = Third Level Cache) Hyper-Threading; 1333 MHz DDR3 Bus and heat pipe occupies socket for one CPU		
Xeon E3-1220 3.10GHz 8MB 4C/4T 1333MHz Turbo (80W)	**S26361-F3579-E322**	
Xeon E3-1230 3.20GHz 8MB 4C/8T 1333MHz Turbo (80W)	**S26361-F3579-E323**	on special release
Xeon E3-1240 3.30GHz 8MB 4C/8T 1333MHz Turbo (80W)	**S26361-F3579-E324**	
Xeon E3-12xxL Power Optimized		
- 1x 64-bit Intel Xeon LV UP (4/8MB shared TLC = Third Level Cache) Hyper-Threading (HT); 1066 or 1333 MHz DDR3 Bus and heat pipe occupies socket for one CPU		
Xeon E3-1220L 2.20GHz 3MB 2C/4T 1333MHz Turbo (20W)	**S26361-F3579-E312**	
Xeon E3-1260L 2.40GHz 8MB 4C/8T 1333MHz Turbo (45W)	**S26361-F3579-E316**	

B

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Section III Memory

There are 2 memory banks with 2 DIMM slots each.
Single channel memory configuration allow maximum flexibility:
Additional memory can be configured as single memory modules.
Dual channel memory configurations for maximum performance:
For optimum performance memory has to be configured in pairs of memory modules with identical size.
Note: Memory is not included in the base unit and has to be configured separately, min 1x.**

**** see note above**

Unbuffered (ub) UDIMMs

4x

- One **DDR3-** ub ECC memory module, 1.5V	
Memory 2GB 1333 SR	**S26361-F3335-E524**
Memory 4GB 1333 DR	**S26361-F3335-E525**
Memory 8GB 1333 DR	**S26361-F3335-E526**
Choose up to 4 order codes above.	

Section IV Graphics

Graphics Controller integrated in iRMC with 32 MB attached Memory with following resolution:
- 16 bit color with maximum resolution of 1600 x 1200
- 24 bit color with maximum resolution of 1280 x 1024
- 32 bit color with maximum resolution of 1152 x 864

This resolution is also available via iRMC advance video redirection.
NOTE: Only VESA-compliant graphics modes are supported

S26361-F2748-E637
PY VGA LP card 512MB PCI-e x1
NVIDIA NVS300 512 MB PCIe-x1
2x DVI or 2x VGA or 1x DVI plus 1x VGA cables adapters included
Dual head + fully 3-D supported for Windows OS only native driver support for Linux OS
low profile bracket
max. 1x per system

The hight end optional NVIDIA NVS300 graphic card offers dual head operation
and fully 3D video support.
The cables for either two times DVI or VGA connections are part of the delivery.
Remote Video direction via iRMC must be disabled.
This PCIe-x1 card can also be installed in any PCIe-x4, x8 or x16 slot.
Only one card per server is allowed.

PY VGA card must be installed in slot 2

S26361-F2748-L637
PY VGA LP card 512MB PCI-e x1
for loose delivery

C

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Section V Accessible drives

There are 2 bays for accessible drives:
- 1x 5.25" bay is occupied by a 0.5" DVD respectively a DVD-RW drive
- 1 x 3.5" bay remaining, can be occupied by 1x 1.6" backup drive

Setup of PRIMERGY TX120 S3 by ServerStart is supported with following configurations:

no DVD:
remote installation only (PXE service & DHCP server required)

built in DVD:
UNC Network share reachable or USB Floppy or MemoryBird connected

Following USB Components are available

1) USB DVD SM / Blu-Ray as soon as available	
External SuperMulti Drive	S26341-F103-L126
External Blu-Ray Drive	S26341-F103-L127
2) USB Keyboard:	
KBPC PX ECO Green IT, professional keyboard	S26381-K341-E1xx / L1xx
3) USB Mouse:	S26381-K430-L100
Laser Moue USB/PS2 Combo	
4) USB Sticks:	
MyUSBS A910 8GB, MLC Flash	S26391-F6048-L208
MyUSBS A910 16GB, MLC Flash	S26391-F6048-L216

S26361-F3269-E2
DVD-RW supermulti slim SATA
all formats, DUAL/DL, DVD-RAM
0.5 x 5.25", black bezel
max. 1x per system

except Japan

S26361-F3531-E2
Blu-ray Combo slim SATA
6x BD-ROM, 16x DVD, 40x CD
BD DL and all CD/DVD formats
0.5 x 5.25", black bezel
max. 1x per system

S26361-F3641-E2
Blu-ray Triple Writer slim SATA
6x BD-RW, 8x DVD, 24x CD
BD DL and all CD/DVD formats
0.5 x 5.25"
max. 1x per system

only in Japan

DVD-ROM slim SATA
16x DVD 48x CD
0.5 x 5.25", black bezel
max. 1x per system

S26361-F3324-E5
Tape drive DDS Gen5 USB 3.5"
36GB, 3MB/s, USB 2.0
Connector: USB "B"
with USB cable
incl. description (Ger/US)
data and cleaning cartridge
1.6 x 3.5", black bezel
max. 1x per system

S26361-F3325-E2
Tape drive DDS Gen6 USB 3.5"
80GB, 6MB/s, USB 2.0
Connector: USB "B"
with USB cable
incl. description (Ger/US)
data and cleaning cartridge
1.6 x 3.5", black bezel
max. 1x per system

S26361-F3857-E5
RDX drive USB 3.5" internal
25MB/s, USB 2.0
Connector: USB "B"
with USB cable
incl. description (Ger/US)
without RDX cartridges
1.6 x 3.5", anthracite/black bezel
max. 1x per system

RDX cartridges must be ordered separately
RDX 160GB = S26361-F3857-L160
RDX 320GB = S26361-F3857-L320
RDX 500GB = S26361-F3857-L500
RDX 1TB = S26361-F3857-L600
10x RDX160 = S26361-F3857-L169
10x RDX320 = S26361-F3857-L329

D

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Section VI a) Hard Disk Drives for Type 1 (SFF/2.5") Base Units

Using Type 1 Base Unit
up to 4 SATA or SAS SFF (2.5") hard disks can be configured.

ECO SATA 3Gb/s HD 2.5" with hot plug/hot replace tray	
160GB 5.400rpm,<10,5ms, 8MB Cache	S26361-F3297-E160
320GB 5.400rpm,<10,5ms, 8MB Cache	S26361-F3297-E320
500GB 5.400rpm,<10,5ms, 8MB Cache	S26361-F3297-E500
Choose up to 4 order codes above.	

Mix of ECO SATA with SAS HDDs is not possible !

E

Business Critical (BC) SATA 3Gb/s HD 2.5" with hot plug/hot replace tray	
250GB 7.200rpm,<10,5ms, 8MB Cache	S26361-F3601-E250
500GB 7.200rpm,<10,5ms, 8MB Cache	S26361-F3601-E500
1000GB 7.200rpm,<10,5ms, 8MB Cache	S26361-F3601-E100
Choose up to 4 order codes above.	

as soon as available

4x

SAS 6Gb/s 2.5" with hot plug/hot replace tray	
300GB 10000rpm,<4,5ms, 8MB Cache	S26361-F4482-E130
450GB 10000rpm,<4,5ms, 8MB Cache	S26361-F4482-E145
600GB 10000rpm,<4,5ms, 8MB Cache	S26361-F4482-E160
900GB 10000rpm,<4,5ms, 8MB Cache	S26361-F4482-E190
73GB 15krpm,<4,5ms, 8MB Cache	S26361-F4482-E573
146GB 15krpm,<4,5ms, 8MB Cache	S26361-F4482-E514
300GB 15krpm,<4,5ms, 8MB Cache	S26361-F4482-E530
Choose up to 4 order codes above.	

configuration of SAS-HDDs requires SAS RAID controller

as soon as available

Section VI b) Hard Disk Drives for Type 2 (LFF/3.5") Base Units

Using Type 2 Base Unit
up to 2 SATA LFF (3.5") hard disks can be configured.

ECO SATA 3Gb/s HD 3.5" non hot plug	
250GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3574-E250
Choose up to 2 order codes above.	

2x

Business Critical (BC) SATA 3Gb/s HD 3.5" non hot plug	
500GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E500
1000GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E100
2000GB 7.200rpm,<9,0ms, 8MB Cache	S26361-F3334-E200
Choose up to 2 order codes above.	

E

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Section 8 VII SAS-Controller Low Profile

SAS RAID Controller for external backup drives

S26361-F3628-E201
SAS Controller 6Gb/s 8 port
LSI SAS9200-8e lp
SAS 6Gb/sec
ext: 8 port
PCIe 2.0 x4,
low profile bracket
max. 1x per system

for JBOD

S26361-F3593-E201
SAS RAID Controller 8 port
LSI (Wasat)
MegaRAID SAS9280-8e 6Gb/s
512MB Cache with ECC
RAID 0, 1, 10, 5, 50, 6 & 60
without iBBU
SAS 3Gb/sec
8 port external
PCIe x4, 167mm
low profile bracket
max. 1x per system

Controller depends on I/O-Module
of external device.
IOM available: - SAS/SATA; - USB

S26361-F3257-E255
Cache Battery Backup Unit
(iBBU07) with 55cm cable
max. 1x per system

S26361-F3257-L210
Loose delivery
Cache Battery Backup Unit
with 16/55/70cm cable set
max. 1x BBU per system

Section VIII Disk Array

SATA Configuration

On board Hot Plug
SATA RAID Controller
RAID 0, 1
MegaSR integrated into Intel C202
(Cougar Point Essential Server)
4-channel SATA RAID Controller
max. 300MB/s, with cable
1 HD per channel max.
int.: 4 x SATA 300

SAS or SATA Configuration

If you want to use SAS harddisks one SAS-Controller is required
Mix of ECO SATA with SAS HDDs is not possible

Controller for 1 to 4 SFF (2.5") HDD; **mandatory for SAS HDD´s**

1x

S26361-F3257-E4
4 port **SAS** RAID Controller
LSI (Lynx)
MegaRAID SAS 1064
no Cache, no BBU
RAID 0, 1 & 1E
SAS 3Gb/sec
4 internal ports
PCIe x4, 160mm
Low-profile
max. 1x per system

S26361-F3554-E8
RAID Ctrl SAS 6G 8port internal
Based on chip LSISAS2008
LSI MegaRAID (Lynx 2)
no Cache, no BBU
RAID 0, 1 & 1E
Support for 3Gb/s and 6Gb/s
SATA and SAS hard drives
PCIe x8
Low-profile MD2 form factor
max. 1x per system

S26361-F3554-E512
RAID Ctrl SAS 6G 8port internal
Based on chip LSISAS2108
LSI MegaRAID (Cougar 2)
512MB Cache with ECC
RAID 0, 1, 10, 5, 50, 6, 60
optional BBU
Support for 3Gb/s and 6Gb/s
SATA and SAS hard drives
PCIe x8
Low-profile MD2 form factor
max. 1x per system

S26361-F3257-E255
Cache Battery Backup Unit
(iBBU07) with 55cm cable
max. 1x per system

S26361-F3257-L210
Loose delivery
Cache Battery Backup Unit
with 16/55/70cm cable set
max. 1x BBU per system

F

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Section IX Communication / Network

2x Gigabit Ethernet Contr. on-board
Intel Hartwell and Lewisville
ext: 2x RJ 45-connector
SW: AFT, VLAN, Fast Channel

Teaming: Failover, Load Balancing
The Intel LAN Controllers 1000TX and 1000SX
can be used with the on-board controller in Teaming Mode.

iSCSI boot
Onboard LAN Controller supports iSCSI boot (also diskless) by system BIOS
and native iSCSI initiators

Single Port PCI-Express Adapter 1000TX/SX

S26361-F3516-E201 (Shelter Island)
Gigabit Ethernet Controller LP
Eth Ctrl 1x1Gbit Low Cost
Intel
PCIe x1, Low Profile
ext: for RJ45-connector, Cat 5
max. 2x per system

Dual Port PCIe Adapter 1000TX

S26361-F3610-E202
Gigabit Ethernet Controller Dual 1000TX LP
Eth Ctrl 2x1Gbit PCIe x4 D2735-2 Cu lp
Intel Kawela based 2 port Server Adapter
PCIe x4, Low Profile
ext: for RJ45-plug, Cat 5
max. 2x per system

Loose delivery with:
S26361-F3610-L502

max. 2x

Quad Port PCIe Adapter 1000TX

S26361-F3611-E201
(D2745)
Gigabit Ethernet Controller Quad 1000TX
Eth Ctrl 4x1Gbit PCIe x4 D2745 Cu lp
Intel Barton Hills based 4 Port Server Ad.
PCIe x4, low profile (LP) bracket
ext: for RJ45-plug, Cat 5
max. 2x per system

Loose delivery with:
S26361-F3611-L501

10GbE 2-Port SFP+ for MMF Module and Twinax Cable

S26361-F3629-E202
(Niantic based)
10 Gigabit Ethernet Contr. dual port SFP+
Eth Ctrl 2x10Gbit PCIe x8 X520-DA2 SFP+
D2755
PCIe x8
ext:SFP+ for MMF LC Module or Twinax cable
max. 1x per system

All controllers for the connection of external
storage systems are delivered without cables.
For the configuration of external cabling see the
configurator for external storage systems.

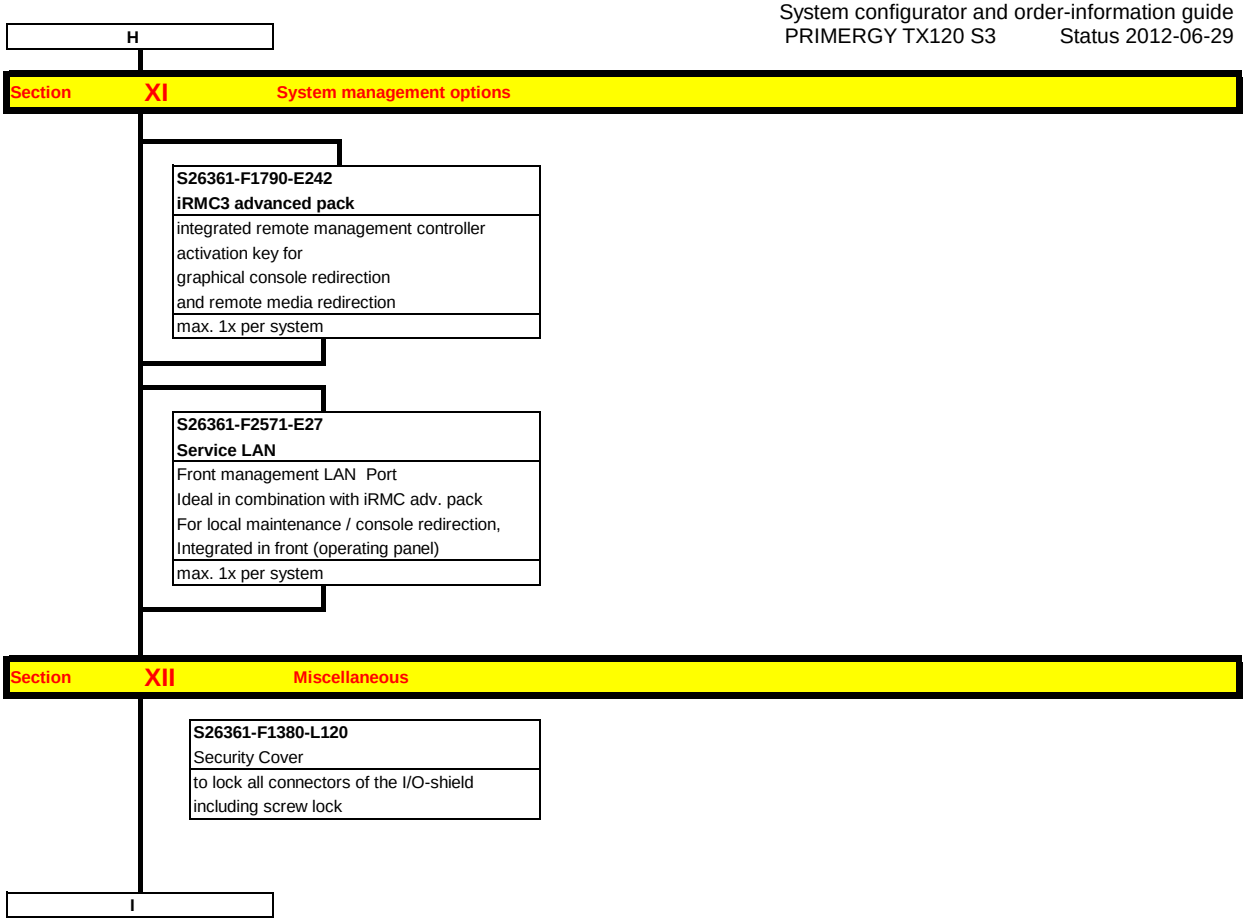
The adapter is also available as loose delivery with
FH and LP bracket included: S26361-F3629-L502

S26361-F3986-E3
SFP+ Module MMF 10GbE LC
SFP+ module for 10 Gbit
Ethernet FO cabling
ext:LC-connector
max. 2x per adapter

The SFP+ Module is also available as loose delivery
S26361-F3986-L3

Instead SFP+ Modules, SFP+ twinax cables from
the switch vendors may be used

G


H
Section XI System management options
S26361-F1790-E242
iRMC3 advanced pack
integrated remote management controller
activation key for
graphical console redirection
and remote media redirection
max. 1x per system
S26361-F2571-E27
Service LAN
Front management LAN Port
Ideal in combination with iRMC adv. pack
For local maintenance / console redirection,
Integrated in front (operating panel)
max. 1x per system
Section XII Miscellaneous
S26361-F1380-L120
Security Cover
to lock all connectors of the I/O-shield
including screw lock
I

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Section XIII Country specific power cords / Kits

S26361-F3301-E120
CCC Certification for China

Since the beginning of this year the specifications for the approval and production monitoring for China (CCC) have become stricter. This is why the CCC certification label must in future be ordered separately

S26361-F1452-E100	**S26361-F1452-E110**
REGION KIT APAC/America/EMEA/India	REGION KIT JP
For Shipments to Asia pacific, America, EMEA or India regions	For Shipments to Japan regions
1x per system	1x per system

A country specific power cord has to be ordered for all floorstand versions:
- once per basic unit and an additional second cable
- if an second hot plug, redundant power supply modul is ordered.

max. 1 x

Power cord for following countries:
1,8 m, grey

T26139-Y1740-E10	D, A, B, F, NL, FIN, S, N, E, P, RUS, TR
T26139-Y1742-E10	USA, Canada
T26139-Y1743-E10	Switzerland
T26139-Y1744-E10	UK, Ireland
T26139-Y1745-E10	Italy
T26139-Y1746-E10	Denmark
T26139-Y3850-E10	Option "no powercord", for Countries without specific cable orderable like e.g. China

Country specific power cords are not required for rack versions, except for USA &Canada. Power cords are shipped in a rack version with inlet connector for non-heating apparatus. (1x with Standard PSU, 2x with hot plug upgrade)

T26139-Y1742-E10 USA, Canada
For shipments to USA&Canada, you have to order one power cord (1,8m, grey) per power supply.

Attention: For connection of a monitor to the system an additional country specific power cord has to be ordered as option.

Power cord for optional monitor connection for the following countries:
1.8m, grey

T26139-Y1740-L10	D, A, B, F, NL, FIN, N, S, E, P, RUS, TR
T26139-Y1742-L10	USA, Canada
T26139-Y1744-L10	UK, IR
T26139-Y1745-L10	Italy
T26139-Y1746-L10	Denmark

Options and other peripherals
For other options, refer to SystemArchitect and Pricelist.
These options are supplied lose with the shipment.
For suitable peripherals for this product, please refer to SystemArcitect.

USB keyboards for floorstand versions for following countries:

USB standard Keyboard KB400		**USB professional Keyboard KBPC PX ECO**
S26381-K550-E170	Switzerland	S26381-K341-E170
S26381-K550-E104	Czech/Slovak	S26381-K341-E104
S26381-K550-E120	Germany	S26381-K341-E120
	Germany / Int	S26381-K341-E122
S26381-K550-E180	Spain	S26381-K341-E180
S26381-K550-E140	France	S26381-K341-E140
S26381-K550-E165	United Kingdom	S26381-K341-E165
S26381-K550-E185	Italy	S26381-K341-E185
S26381-K550-E154	Sweden / Finland	S26381-K341-E154
S26381-K550-E102	USA / international	S26381-K341-E110

Optional Mouse

S26381-K431-E100	Mouse M480 black
S26381-K431-E101	Mouse M480 grey

End PRIMERGY TX120 S3

Change Report

Date	Order number	Changes
2012-01-30	S26361-F3641-E2	new Blue-ray Triple Writer added
2011-12-21	S26361-F4482-E114	SAS HD 6G 144GB - no longer available
2011-10-01	S26361-F3601-E250	new BC SATA HD - now available
2011-08-09		Celeron CPUs with FCS in September 2011 added
2011-07-11	S26361-F1452-E100	Region kit integrated
2011-06-01		First Release